



# Hunters Point Radiological Program Update

Hunters Point Naval Shipyard  
BCT Meeting  
December 8, 2011



# Overview



## Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
  - Crisp Rd.
  - Parcel C
  - Parcel E 500-Series
  - Parcel D-1
- Parcel B & G
- IR 7/18 Tech Memo Update

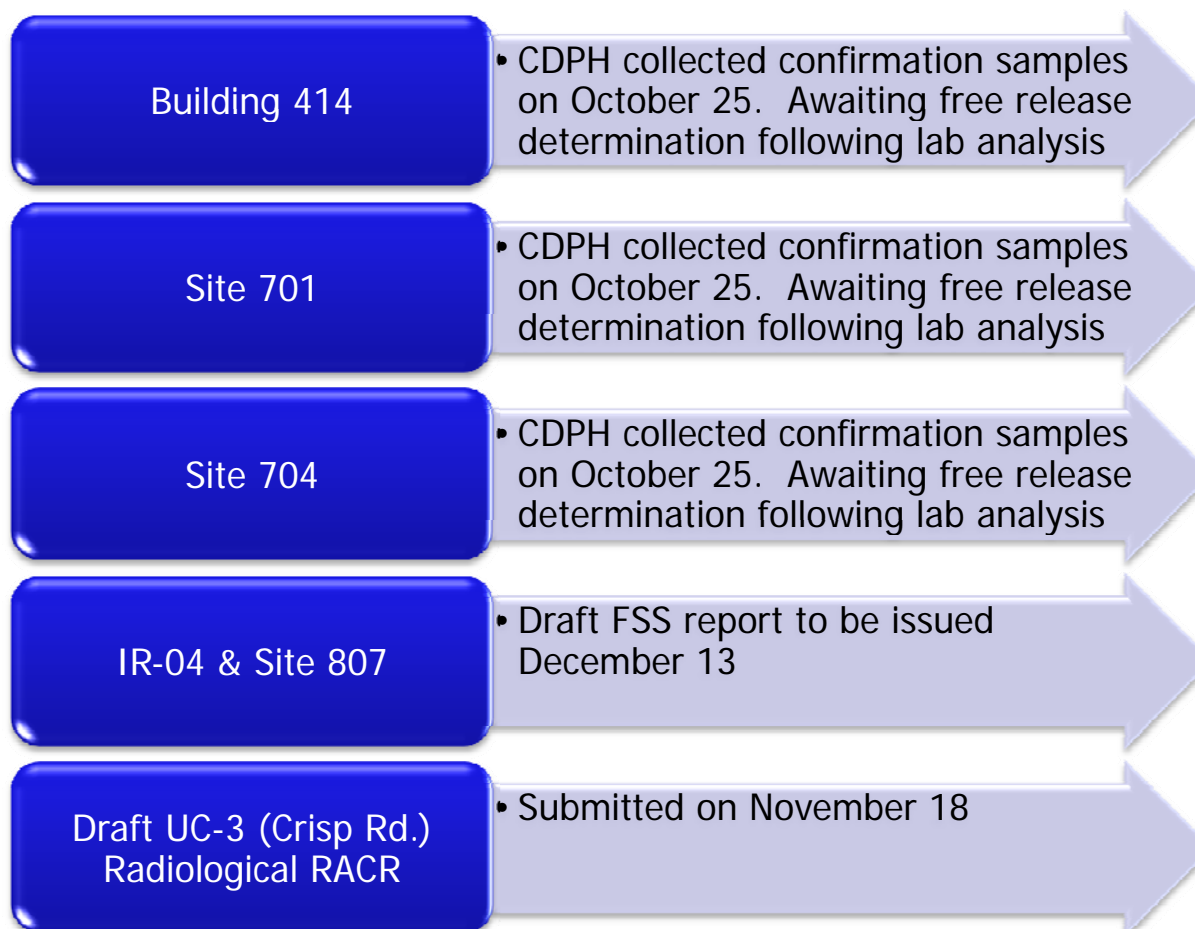


# 2011 Radiological Projects





## Crisp Road/Parcel E Building and Site Surveys





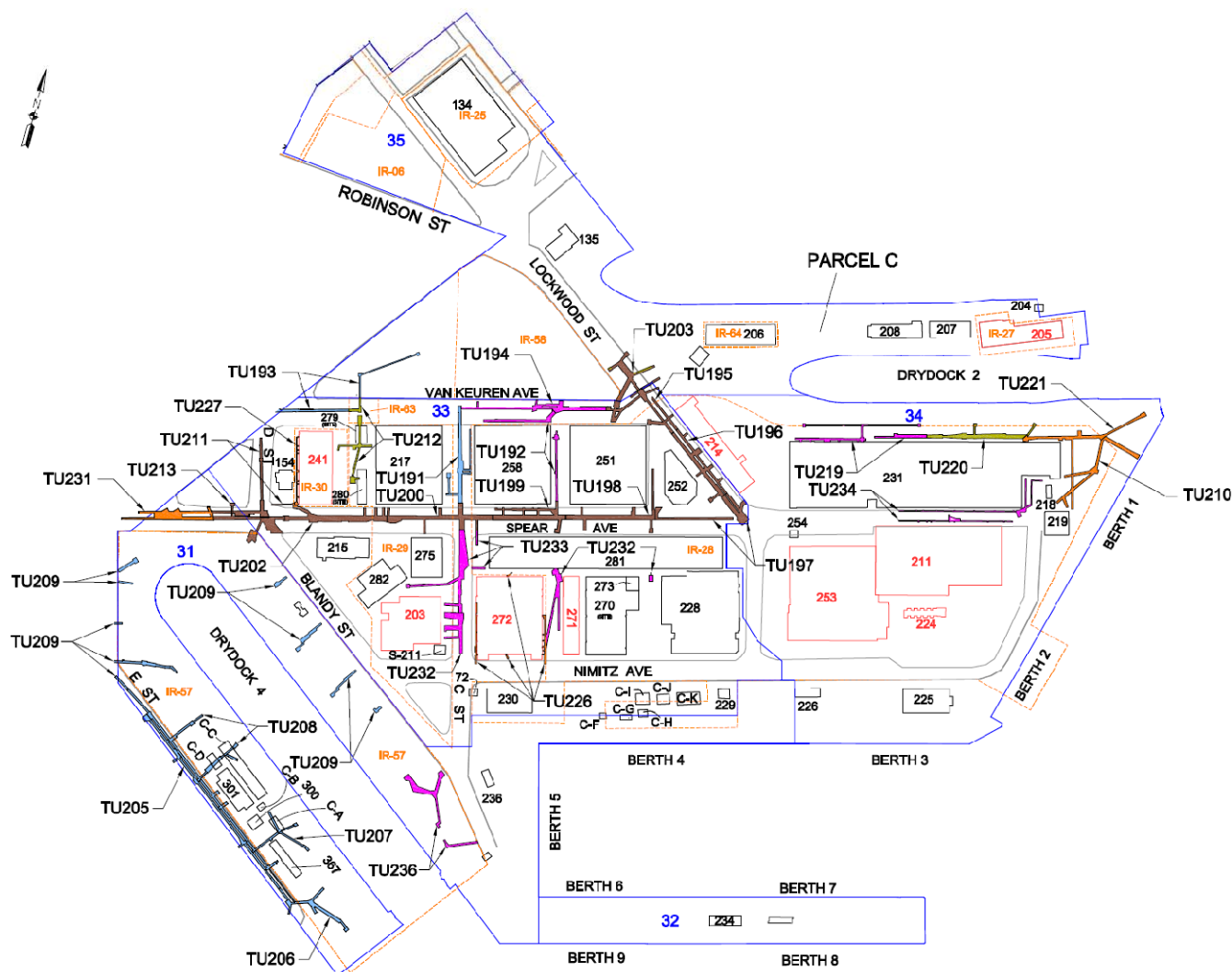
## Parcel C Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel C on January 4th
  - Excavated soil and pipe removal through November 18, 2011:
    - 17,857 linear feet of SS/SD lines removed
      - 51% of the total 34,866-lf of Parcel C removed to date
    - 30,651 cubic yards excavated



# Parcel C Storm Drain & Sewer Removals



- ACTIVE TRENCH UNITS (QTY = 7)
- TRENCH UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 5)
- TRENCH UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 2)
- BACKFILL F/D/PAVFD (QTY = 7)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION (QTY = 0)



## Parcel C Building and Site Surveys



Building 214

- Final submitted November 2

Building 271

- Final FSS and RTCs under RASO review

North Pier

- Surveys ongoing, scan survey complete

Building 272

- Anticipated submittal date for Draft FSS is January 2012

Buildings 203

- Anticipated submittal date for Draft FSS is January 2012

Building 241

- Internal Draft FSS under review at RASO



# Parcel C & Interior E Buildings/Sites Status

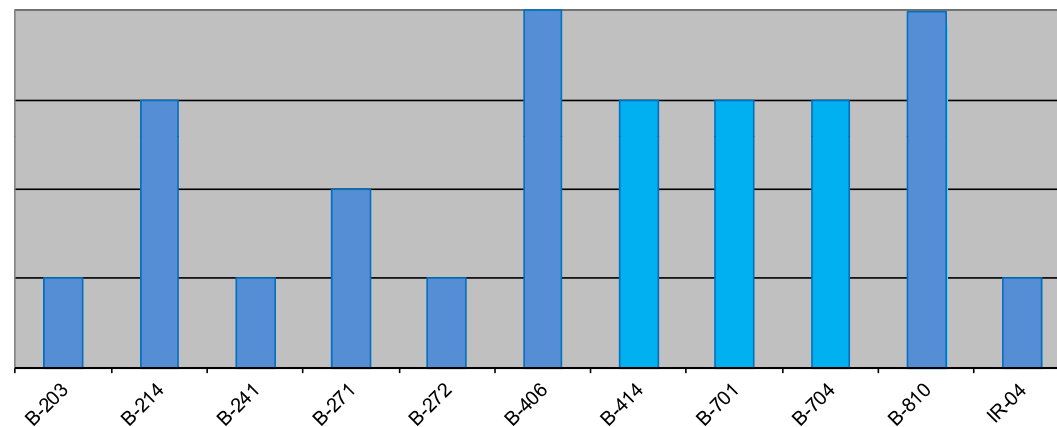


Free-Released

Final

Draft

Internal Draft  
(Data under review)



Waiting for concurrence for  
Free-Release determination



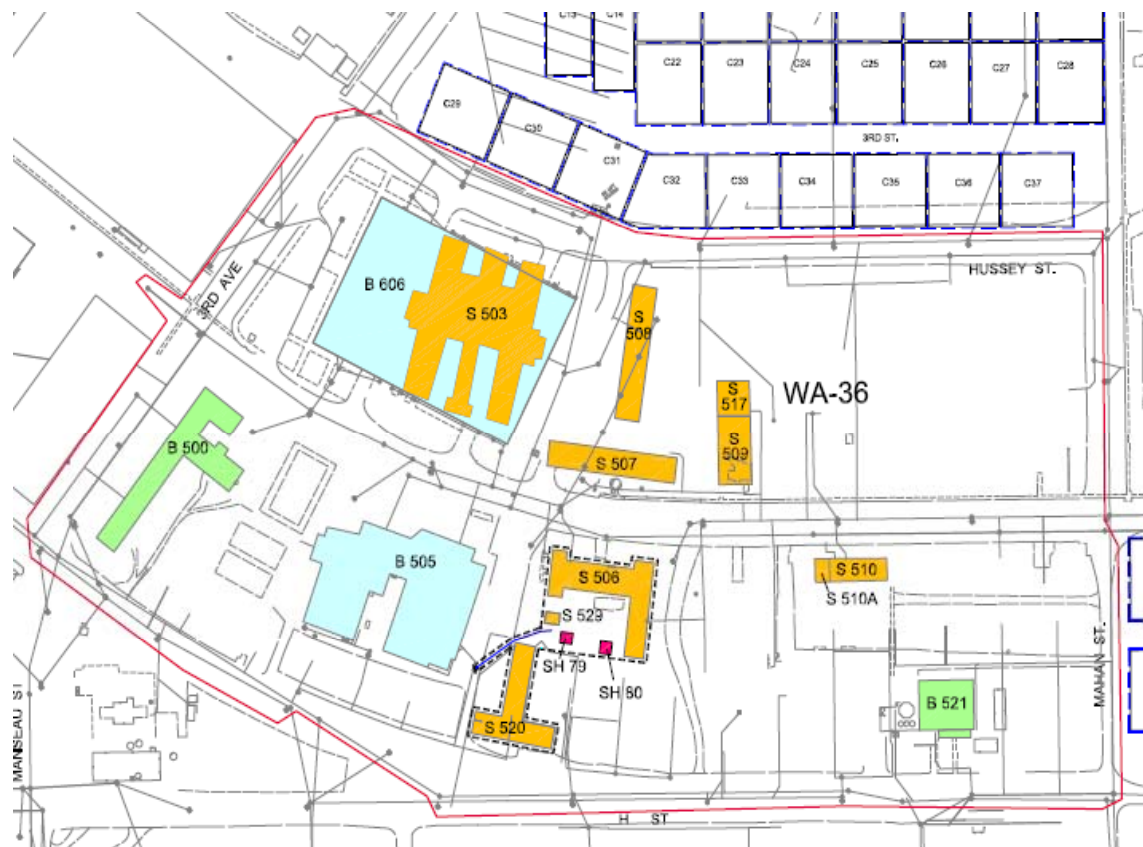




# Impacted Building and Sites Within Parcel E 500 Series Area



- LEGEND
- WORK AREA BOUNDARY (WA-36)
  - RADIOACTIVE MATERIAL AREA
  - STORM DRAIN LINE
  - NON-IMPACTED BUILDINGS
  - IMPACTED BUILDINGS
  - IMPACTED BUILDING SITES
  - IMPACTED SHACK SITES
  - KEY 2, 3 AND 4 SCREENING PADS





## Parcel E 500 Series Building / Site Surveys



- RASO has approved Final TSPs
  - Building 500
  - Sites: 503, 506, 507, 508, 509, 510/510A, 517, 520, 529
  - Shacks 79/80
- TSP for the 500-Series Area is under RASO review
- Field Work
  - Building 500 : Survey completed. Removed interior SS/SD lines
  - Former Building 503: A total of 7,400 cubic yards of material have been surveyed and staged awaiting offsite analysis.
  - Former Building 506: Gamma scan, FIDLER, and soil sampling ongoing



## Parcel E 500 Series Building / Site Surveys



- Field Work (continued)
  - Former Bldgs. 509/517: Gamma scans ongoing
  - Former Bldgs. 510/510A: Scan data under review
  - Former Bldg. 520: Gamma scan, FIDLER, and soil sampling ongoing
  - Building 521: Completed the M&E Survey of the furnace(s) and associated fuel lines
  - Former Shack 79/80: Gamma scans ongoing
  - B529- Isotope storage vault removed



## Parcel E 500 Series Storm Drain & Sewer Removals

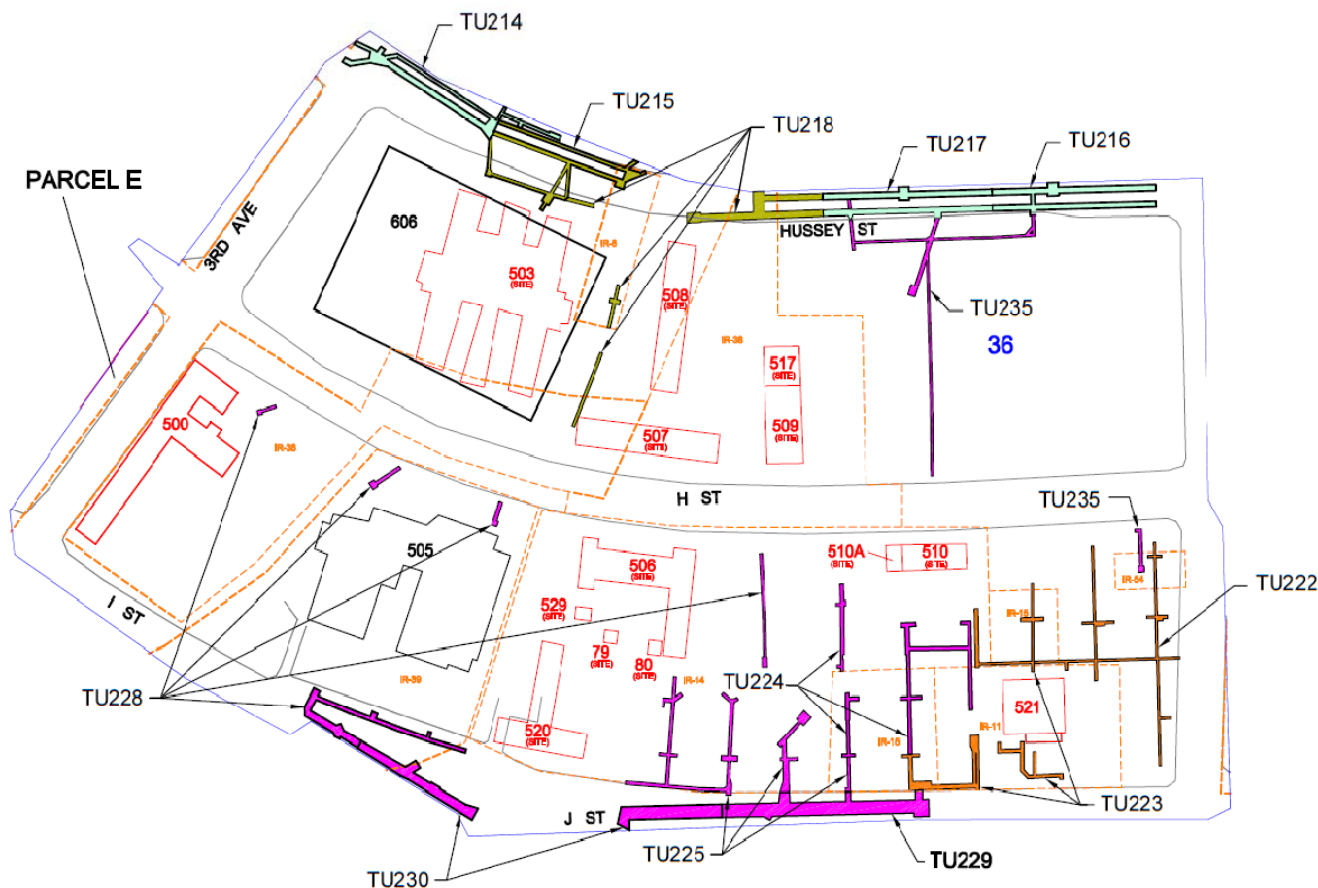


- SS/SD line removal in Parcel E 500 Series
  - Excavated soil and pipe removal through November 18, 2011:
    - 8,788 linear feet of SS/SD lines removed (500 Series only)
      - 27% of the 58,000 Parcel E SS/SD lines removed to date
    - 19,224 cubic yards excavated



# Parcel E

## Storm Drain & Sewer Removals



- ACTIVE SURVEY UNITS  
(QTY = 6)
- SURVEY UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE  
(QTY = 2)
- SURVEY UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL  
(QTY = 3)
- APPROVED FOR BACKFILL  
(QTY = 2)
- BACKFILLED/PAVED  
(QTY = 0)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION  
(QTY = 0)



## Parcel D-1 Current Field Work Status



- Gun Mole Pier
  - Survey unit analytical data received for 72 of 73 SUs. 64 SUs had no screening results above release criteria.
  - Currently Remediating 5 impacted SUs for Cs
    - Focused on NRDL barge location
  - 1 remaining buffer area SU to survey and sample
  - Developing plan for survey of concrete foundations and other concrete structures



## Parcel D-1 Current Field Work Status



- South Pier
  - Completed survey and sampling for 13 of 14 Survey Units
  - 6 Survey Units had no detections above the action levels
  - Completed remediation for 7 impacted SUs
  - Sampling and surveying SU 14 Buffer Area
  - Developing plan for survey of concrete foundation and other concrete structures
- Building 274
  - No detections above investigation Levels
  - Developing internal draft FSS Report
- Building 383 Area
  - Completed survey and sampling and had no detections above the action levels.
  - Plan to remove remaining footer foundation, survey and sample



## Parcel D-1 Current Field Work Status



- Building 313,313A & 322 sites
  - Remediation of impacted SUs complete
  - Developing internal draft FSS Report
- Storm Drain and Sanitary Sewer Removal
  - 99% complete (12,250 linear ft)
  - Completed trench backfill on 18 SUs (58% overall complete)
  - To date submitted 23 internal draft SUPRs and received approval on 21.
  - Screening data for all excavated SUs in RSY-2 area is below release criteria
  - Last SU to be excavated, surveyed and sampled in December
  - Swale construction scheduled to start and complete in December
  - Preparing 3 Draft SUPR Packages for submittal to Regulators
    - SUPR submittals beginning in January 2012





## Status of Parcels B & G



- Draft Parcel B RACR issued 20 October 2011
  - Awaiting CDPH comments on Draft RACR
  - Awaiting B140 and Discharge Channel Closure Letter from CDPH
  - Final Parcel B RACR expected to be issued in January 2012
- Final Parcel G RACR with RTCs issued 2 December 2011



## IR07/18 Modeling Update



- The 2<sup>nd</sup> version of the Draft Radiological Risk and Dose Modeling for Sites IR-7 and IR-18 is under Agency review
  - Submitted to Agencies on September 12, 2011
- Navy awaiting CDPH-RHB comments



Comments, Questions, Concerns ???